SEQUENCE LISTING

<110> Benjamin, Thomas L.

<120> Diagnosing and Treating Cancer Cells
  Using Mutant Viruses

<130> 00742/062002

<150> US 60/216,723
<151> 2000-07-07

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<170> FastSEQ for Windows Version 4.0

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-1-

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Gly Gly Gln Glu Asn Pro Ser Asn Ser Ser Ala Ser Ser Ala Pro Arg
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Pro Glu Gly His Ser Arg Ser Gln Val Met Asp Thr Glu His Ser Asn
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Pro Pro Asp Ser Gly Ser Ser Gly Pro Pro Asp Pro Thr Trp Gly Pro
            100                 105                 110
Glu Arg Arg Gly Glu Glu Ser Ser Gly Gln Phe Leu Val Ala Ala Thr
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Gly Thr Ala Ala Gly Gly Gly Gly Gly Leu Ile Leu Ala Ser Pro Lys
        130                 135                 140
Leu Gly Ala Thr Pro Leu Pro Pro Glu Ser Thr Pro Ala Pro Pro Pro
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Pro Pro Pro Pro Pro Pro Pro Pro Gly Val Gly Ser Gly His Leu Asn
                165                 170                 175
Ile Pro Leu Ile Leu Glu Glu Leu Arg Val Leu Gln Gln Arg Gln Ile
            180                 185                 190
His Gln Met Gln Met Thr Glu Gln Ile Cys Arg Gln Val Leu Leu Leu
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Gly Ser Leu Gly Gln Thr Val Gly Ala Pro Ala Ser Pro Ser Glu Leu
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-8-

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Ser Ser Ser Ser Ser Ser Gly Ala Glu Pro Pro Lys Gln Ala Phe Phe
            260                 265                     270
His Leu Tyr His Pro Leu Gly Ser Gln His Pro Phe Ser Val Gly Gly
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Val Gly Arg Ser His Lys Pro Thr Pro Ala Pro Ser Pro Ala Leu Pro
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Gly Ser Thr Asp Gln Leu Ile Ala Ser Pro His Leu Ala Phe Pro Gly
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Thr Thr Gly Leu Leu Ala Ala Gln Cys Leu Gly Ala Ala Arg Gly Leu
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Glu Ala Ala Ala Ser Pro Gly Leu Leu Lys Pro Lys Asn Gly Ser Gly
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Glu Leu Gly Tyr Gly Glu Val Ile Ser Ser Leu Glu Lys Pro Gly Gly
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Arg His Lys Cys Arg Phe Cys Ala Lys Val Phe Gly Ser Asp Ser Ala
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Leu Gln Ile His Leu Arg Ser His Thr Gly Glu Arg Pro Tyr Lys Cys
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Cys Lys Val Cys Gly Arg Ala Phe Ser Thr Arg Gly Asn Leu Arg Ala
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His Phe Val Gly His Lys Thr Ser Pro Ala Ala Arg Ala Gln Asn Ser
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Leu Ser Glu Gly Gly Gly Ala Ala Gln Glu Asn Ser Ser Glu Gln Ser
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Val Lys Glu Met Asp Ser Asn Glu Lys Ala Pro Gln His Thr Leu Pro
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Gln Gly Thr Ser Asp Val Ser Gly Ala Met Glu Glu Glu Ala Lys Leu
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Lys Asp Pro Gly Glu Ser Ser Gly Arg Lys Ala Cys Glu Val Cys Gly
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Gln Ser Phe Pro Thr Gln Thr Ala Leu Glu Glu His Gln Lys Thr His
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Pro Lys Asp Gly Pro Leu Phe Thr Cys Val Phe Cys Arg Gln Gly Phe
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